LISTING OF THE CLAIMS

 (Withdrawn) A method of manufacturing an interferometric modulation pixel, comprising:

forming a first electrode layer on a transparent substrate, wherein an uppermost layer of the first electrode layer is an insulating layer;

forming a sacrificial layer on the insulating layer; forming at least two first openings in the sacrificial layer and the first electrode layer to demarcate and define a first electrode, wherein the first electrode is made from the first electrode layer;

coating a photosensitive material on the sacrificial layer and in the first openings; patterning the photosensitive material to form supports in the first openings;

forming a second electrode layer on the sacrificial layer and the supports;

forming at least two second openings in the second electrode layer to define a second electrode, wherein the second electrode is made from the second electrode layer and the orientation of the two second openings is perpendicular to the two first openings;

removing the sacrificial layer; and

forming a hydrophobic layer on the insulating layer.

- 2. (Withdrawn) The method of claim 1, wherein the insulating layer comprises silicon oxide or silicon nitride.
- 3. (Withdrawn) The method of claim 1, wherein the sacrificial layer comprises metal. polysilicon or amorphous silicon.
- 4. (Withdrawn) The method of claim 1, wherein a method of forming the first openings and the second openings comprises photolithography and etching.
- (Withdrawn) The method of claim 1, wherein the photosensitive material comprises photoresists or photosensitive polymer.
- (Withdrawn) The method of claim 1, wherein a method of patterning the photosensitive material comprises exposing and developing the photosensitive material.
- (Withdrawn) The method of claim 1, wherein the sacrificial layer is removed by remote plasma etching.
- (Withdrawn) The method of claim 7, wherein a plasma precursor used by the remote plasma etching comprises a fluorine-based or chlorine-based etchant.

9. (Withdrawn) The method of claim 1, wherein the hydrophobic layer is formed by adsorbing a layer of a hydrophobic organic compound having at least a hydrogen atom being capable of forming hydrogen bonds with oxygen or nitrogen atoms.

- (Withdrawn) The method of claim 9, wherein the hydrophobic organic compound comprises silanes including hexamethyl disilane or silanols including trimethyl silanol.
- 11. (Withdrawn) A method of manufacturing an interferometric modulation pixel, comprising:

forming a first electrode layer on a transparent substrate, wherein a uppermost layer of the first electrode layer is an insulating layer;

forming a hydrophobic layer on the insulating layer;

forming a sacrificial layer on the hydrophobic layer;

forming at least two first openings in the sacrificial layer, the hydrophobic layer and the first electrode layer to define a first electrode, wherein the first electrode is made from the first electrode layer;

coating a photosensitive material on the sacrificial layer and in the first openings; patterning the photosensitive material to form supports in the first openings;

forming a second electrode layer on the sacrificial layer and the supports;

forming at least two second openings in the second electrode layer to define a second electrode, wherein the second electrode is made from the second electrode layer and the orientation of the two second openings is perpendicular to the two first openings; and

removing the sacrificial layer.

- 12. (Withdrawn) The method of claim 11, wherein the insulating layer comprises silicon oxide or silicon nitride.
- (Withdrawn) The method of claim 11, wherein the hydrophobic layer comprises hydrophobic resin.
- (Withdrawn) The method of claim 11, wherein the sacrificial layer comprises metal, polysilicon or amorphous silicon.
- 15. (Withdrawn) The method of claim 11, wherein a method of forming the first openings and the second openings comprises photolithography and etching.

16. (Withdrawn) The method of claim 11, wherein the photosensitive material comprises photoresists or photosensitive polymer.

- 17. (Withdrawn) The method of claim 11, wherein a method of patterning the photosensitive material comprises exposing and developing the photosensitive material.
- (Withdrawn) The method of claim 11, wherein the sacrificial layer is removed by remote plasma etching.
- (Withdrawn) The method of claim 18, wherein a plasma precursor used by the remote plasma etching comprises a fluorine-based or chlorine-based etchant.
 - (Previously Presented) An interferometric modulation pixel, comprising:
 a first electrode:
 - a movable second electrode being situated above the first electrode and being parallel to the first electrode;

two supports between the first electrode and the second electrode to form a cavity between the first and the second electrodes; and

- a hydrophobic layer on a cavity-side surface of the first electrode.
- 21. (Original) The interferometric modulation pixel of claim 20, wherein the hydrophobic layer comprises a hydrophobic organic compound having at least a hydrogen atom being capable of forming hydrogen bonds with oxygen or nitrogen atoms or a hydrophobic resin.
- (Original) The interferometric modulation pixel of claim 20, wherein the hydrophobic organic compound comprises silanes including hexamethyl disilane or silanols including trimethyl silanol.
- (Previously Presented) The interferometric modulation pixel of claim 20, wherein the first electrode comprises an insulating layer.
- 24. (Previously Presented) The interferometric modulation pixel of claim 23, wherein the insulating layer comprises silicon oxide or silicon nitride.
- 25. (Previously Presented) The interferometric modulation pixel of claim 23, wherein the hydrophobic layer is positioned on the insulating layer.
- 26. (Previously Presented) The interferometric modulation pixel of claim 20, wherein the first electrode comprises a transparent conductive layer, a light-absorption layer and an insulating layer.

27. (Previously Presented) The interferometric modulation pixel of claim 20, wherein the movable second electrode is a light-reflection electrode.

28. (Previously Presented) The interferometric modulation pixel of claim 20, wherein the hydrophobic layer prevents the first electrode from adsorbing water molecules.